Index of Claims



Application/Control No.

10/711,575

Examiner

Samuel A. Gebremariam

Applicant(s)/Patent under Reexamination

TSAI ET AL.

Art Unit

2811

| <b>√</b> | Rejected |
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| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
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| 0 | Objected |

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| Cla      | iim  | Date         |          |          |              |  |                                     |              |              |          |   |  |
|          | a  | 80/61/4 H    |          |          |              |  |                                     |              |              |          |   |  |
| Final    | Original   | -            |          |          |              |  |                                     |              |              |          |   |  |
| iĒ.      | ij   | ż            |          |          |              |  |                                     |              |              |          |   |  |
|          | )  | 4            |          |          |              |  |                                     |              |              |          |   |  |
|          | 1_   | =            |          |          |              |  |                                     |              |              |          |   |  |
|          | 2  | [h           |          |          |              |  |                                     |              |              |          |   |  |
|          | 3  |              |          |          |              |  |                                     |              |              |          |   |  |
|          | 1<br>2<br>3<br>4<br>5<br>6                                     | $\prod$      |          |          |              |  |                                     |              |              |          |   |  |
|          | 5  |              |          |          |              |  |                                     |              |              |          |   |  |
|          | 6  |              |          |          |              |  |                                     |              |              |          |   |  |
|          | 7  | Ш            |          |          |              |  |                                     |              |              |          |   |  |
|          | 8  | V            |          |          |              |  |                                     |              |              |          | 1 |  |
|          | 9  | 11           |          |          |              |  |                                     |              |              |          | 1 |  |
|          | 10   | 4            |          |          |              |  |                                     |              |              |          | l |  |
|          | 11   | ٧,           |          |          |              |  |                                     |              |              |          | l |  |
|          | 12   | ٠.           |          |          |              |  |                                     |              |              |          | l |  |
|          | 13   |              |          |          |              |  |                                     |              |              |          | l |  |
|          | 14   | 11           |          | L.       |              |  |                                     |              |              |          | l |  |
|          | 15   | <u>=</u>     |          |          |              |  |                                     |              |              |          | l |  |
|          | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 | Ш            |          |          |              |  |                                     |              |              |          | l |  |
|          | 17   |              |          |          |              |  |                                     |              |              |          | l |  |
|          | 18   | Ā            |          |          |              |  |                                     |              |              |          | l |  |
|          | 19   |              |          |          |              |  |                                     |              |              |          | ŀ |  |
|          | 20   |              |          |          |              |  |                                     |              |              |          |   |  |
|          | 21   |              |          |          |              |  |                                     |              |              |          | i |  |
|          | 22   |              |          |          |              |  |                                     |              |              |          |   |  |
|          | 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29                   |              |          |          |              |  |                                     |              |              |          | i |  |
|          | 24   |              |          |          |              | L_   |                                     |              | _            |          |   |  |
|          | 25   |              |          |          |              | _  |                                     |              |              | Ш        |   |  |
| L        | 26   |              |          |          |              | L.,  |                                     |              | _            | Ш        |   |  |
|          | 27   |              |          |          |              |  |                                     |              |              | Ш        |   |  |
|          | 28   |              |          |          |              |  |                                     |              | _            |          |   |  |
|          | 29_  | $oxed{oxed}$ |          | L_       |              | Ш  | $oxed{oxed}$                        | L.,          | _            |          |   |  |
| L        | 30<br>31   |              |          |          |              |  |                                     | Ш            | L            | L_       |   |  |
|          | 31   | L_           |          |          |              | L.   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              |              |          |   |  |
| L        | 32<br>33   | L_           |          |          | Ш            | Ш  | <u> </u>                            | L            | L.           | Щ        |   |  |
| ļ        | 33   | <u> </u>     |          |          | <u> </u>     | _  | <u> </u>                            | _            | _            | Щ        |   |  |
|          | 34   | <b> </b>     |          |          | Ш            | <u> </u>   | <u> </u>                            | L            | ļ            | $\vdash$ |   |  |
| <u></u>  | 35<br>36   | Щ            |          | Ь.       | <u> </u>     | <b> </b>   | <u> </u>                            |              | _            |          |   |  |
| <u> </u> | 36   |              | <u> </u> | <u> </u> | <u> </u>     | $\vdash$   | $\vdash$                            |              |              |          |   |  |
| <u></u>  | 37   | H            |          | <u> </u> | <u> </u>     | <del> </del>                                     | <u> </u>                            | $\vdash$     | _            | $\vdash$ |   |  |
| <u> </u> | 38   | H            | ļ        |          | <u> </u>     | <u> </u>   | <u> </u>                            | $\vdash$     |              | -        |   |  |
| <u> </u> | 39   | <u> </u>     |          | <u> </u> |              | _  | H                                   | _            | <u> </u>     | $\vdash$ |   |  |
| -        | 40   | $\vdash$     | <u> </u> | <u> </u> | -            |  |                                     | -            | _            |          |   |  |
| <u> </u> | 41   | <u> </u>     |          |          | $\vdash$     | -  | $\vdash$                            | $\vdash$     | <u> </u>     |          |   |  |
|          | 42   | -            | -        | $\vdash$ | ├—           | <del>                                     </del> |                                     | -            | -            | $\vdash$ |   |  |
|          | 43   |              |          |          | <u> </u>     | -  | $\vdash$                            | $\vdash$     | <u> </u>     | -        |   |  |
| <u> </u> | 44<br>45   | -            | -        | $\vdash$ | <del> </del> | -  | $\vdash$                            | $\vdash$     |              | -        |   |  |
| <u> </u> |  | $\vdash$     |          | -        | <del> </del> | ├  |                                     | <del> </del> | ├—           | -        |   |  |
| <u> </u> | 46   | <u> </u>     | ├-       |          | <del> </del> | -  | -                                   | $\vdash$     | $\vdash$     | -        | 1 |  |
| $\vdash$ | 47   | -            |          | $\vdash$ |              | <del>                                     </del> |                                     | $\vdash$     | <del> </del> | -        |   |  |
| <b>-</b> | 48   |              | -        | $\vdash$ | -            |  | $\vdash$                            | $\vdash$     | -            |          |   |  |
| -        | 49<br>50   | -            |          |          | ├            | $\vdash$   |                                     | -            | $\vdash$     | -        |   |  |
| 1        |  |              |          |          |              |  |                                     |              |              |          |   |  |

| laim       | Г            |              |          |  | Date   | •  |          |              | -  | ] [ | Cla   | aim     |                 |          |          | 0 | Date     | •          |              |  |  |
|------------|--------------|--------------|----------|--|--|--|----------|--------------|--|-----|-------|---------|-----------------|----------|----------|---|----------|------------|--------------|--|--|
| _          | 2            |              |          |  |  |  |          | _            | _  | [   |       | <u></u> |                 | $\Box$   |          |   |          |            |              |  |  |
| Original   | 3/11/105     |              |          |  |  |  |          |              |  |     | Final | Origina |                 |          |          |   |          |            |              |  |  |
| <u>`</u> E | -            |              |          |  |  |  |          |              |  |     | ίĒ    | ji      |                 |          |          |   |          |            |              |  |  |
| 0          | 1            | 1            |          |  |  |  |          |              |  |     |       | 0       |                 |          | 1        |   |          |            |              |  |  |
| 1          | 7            | П            | Τ        |  |  |  |          |              |  |     |       | 51      |                 |          |          |   |          |            |              |  |  |
| 2          | 1            |              |          |  |  | -  |          |              |  |     |       | 52      |                 |          |          |   |          |            |              |  |  |
| 3          | Ħ            |              |          |  |  |  |          |              |  |     |       | 53      | t               | 7        |          |   |          |            |              |  | $\Box$   |
|            | ╁            | -            | $\vdash$ |  |  |  | -        | ╌            | _  |     |       | 54      | $\vdash$        |          |          |   |          |            |              | _  |  |
| 5          | Н            | $\vdash$     | $\vdash$ | _  |  | _  |          | ┢            | $\vdash$   |     |       | 55      |                 | _        | _        | _ | _        |            |              |  |  |
| 6          | H            | $\vdash$     | $\vdash$ | _  |  | _  |          | -            | $\vdash$   |     |       | 56      |                 | -        | _        |   |          |            | _            | -  | _  |
| 7          | Н.           |              |          |  |  | _  |          | -            |  |     |       | 57      |                 | $\dashv$ |          |   | _        | _          |              |  | -  |
| 8          | ₩            | ┢            |          |  | _  |  |          | ┢┈           | -  |     |       | 58      |                 |          | - +      |   |          |            |              |  |  |
| 9          |              | ┢            | -        |  |  |  |          | $\vdash$     | -  |     |       | 59      | H               | -        | -        |   |          |            |              |  | -  |
| 10         | 11           | ┢            | -        |  |  |  |          |              |  |     |       | 60      | $\vdash \vdash$ | $\dashv$ | $\dashv$ |   |          |            |              |  | $\dashv$   |
| 10         | ,,,          |              |          |  |  |  |          | _            |  |     |       | 61      | $\vdash$        | $\dashv$ |          |   |          |            |              |  | -  |
| 11         | _            | -            | <u> </u> |  |  |  |          | _            |  |     |       |         | $\vdash \vdash$ |          |          |   |          | -          |              |  | $\vdash$   |
| 12<br>13   | <u>۔</u>     | -            | <u> </u> |  |  |  |          |              |  |     |       | 62      | $\vdash$        |          | _        | _ | <u> </u> | -          |              |  | $\vdash$   |
| 13         |              | <u> </u>     | <u> </u> |  |  |  |          | _            |  |     |       | 63      |                 |          |          |   | _        | $\vdash$   |              |  |  |
| 14         | =            |              | <u> </u> |  |  |  |          | <u> </u>     | <u> </u>   |     |       | 64      | $\sqcup$        |          | _        |   |          | Щ          | L_           | -  | $\square$  |
| 15         | 1            | _            | _        |  |  |  |          |              |  |     |       | 65      | Ш               | _        | _        |   |          |            |              |  | $\Box$   |
| 16         | Щ.           | $oxed{oxed}$ |          |  |  |  |          |              |  |     |       | 66      | $\sqcup$        | _        | _        |   |          | Ь.         |              |  | Ш  |
| 17         | Ц.           | _            |          |  |  |  |          |              |  |     |       | 67      |                 | _        |          |   |          |            |              |  |  |
| 18         | Ā            |              |          |  |  |  |          |              |  |     |       | 68      |                 | $\perp$  |          |   |          |            |              |  |  |
| 19         |              |              |          |  |  |  |          |              |  |     |       | 69      |                 |          |          |   |          |            |              |  |  |
| 20         | Γ            |              |          |  |  |  |          |              |  |     |       | 70      |                 | Ţ        |          |   |          |            |              |  |  |
| 21         |              |              |          |  |  |  |          |              |  |     |       | 71      | П               | ╗        | П        |   |          |            |              |  |  |
| 22         |              |              |          |  |  |  |          |              | Г  |     |       | 72      | П               | コ        | $\neg$   |   |          |            |              |  |  |
| 23         |              | m            |          |  |  |  |          |              |  |     |       | 73      |                 |          | T        |   |          |            |              | _  |  |
| 24         |              |              |          |  |  |  |          |              | İ  | 1   |       | 74      | $\vdash$        | 寸        | $\neg$   |   | _        |            |              |  |  |
| 25         | $\vdash$     | <u> </u>     |          |  |  |  |          | $\vdash$     | _  | i l |       | 75      | $\Box$          | 寸        | _        | _ |          |            |              |  |  |
| 26         | $\vdash$     |              |          | _  | -  |  |          |              | ┢  | 1   |       | 76      | Н               | $\dashv$ | $\dashv$ |   |          |            |              | -  |  |
| 27         | $\vdash$     |              |          |  |  |  |          |              |  | 1   |       | 77      | $\vdash$        | 寸        | $\neg$   |   |          |            |              | _  | _  |
| 28         | $\vdash$     | $\vdash$     |          | _  |  |  |          | $\vdash$     | $\vdash$   | 1   |       | 78      | H               | 寸        | _        |   | H        |            |              | -  |  |
| 29         | $\vdash$     |              | -        | -  |  |  | -        | ⊢            | -  | 1   |       | 79      | $\vdash$        | -        | -        |   | ⊢        | $\vdash$   |              | $\vdash$   |  |
| 30         | $\vdash$     | ├            |          | -  |  |  |          | ├─           | ├  | 1   |       | 80      | -               | $\dashv$ | -        |   | -        | -          |              |  |  |
| 30         | $\vdash$     | ├            |          | -  |  |  |          | <del> </del> | ├-   |     |       | 81      | $\vdash \vdash$ | $\dashv$ | -        |   | $\vdash$ |            |              | -  | -  |
| 31         | -            | ⊢            | -        | $\vdash$   | Ь-   | $\vdash$   | -        | -            | <del> </del>                                     |     |       | 82      | ┝╌┤             | -        |          |   | -        | <u> </u>   | -            | -  | $\vdash$   |
| 32         | ├-           | ├            | -        | $\vdash$   | <u> </u>   | $\vdash$   |          | -            | $\vdash$   |     |       | 02      | $\vdash$        | -+       |          | _ | $\vdash$ | <u> </u>   | -            | $\vdash$   | $\vdash$   |
| 33         | <del> </del> | $\vdash$     | <u> </u> | <b> -</b>  | <b></b> -  | <u> </u>   | <u> </u> | $\vdash$     | $\vdash$   |     |       | 83      | Н               | $\dashv$ | -        |   | -        |            | H            | $\vdash$   | Н  |
| 34         | <del> </del> | ├-           | <u> </u> | H  | <u> </u>   | <u> </u>   | ļ        | ├            | ⊢  |     |       | 84      | $\vdash$        |          |          | _ | <u> </u> | $\vdash$   | -            | -  | $\vdash$   |
| 35         | ₩            | $\vdash$     | <u> </u> | <b> </b>   |  | Ь  | _        | $\vdash$     | <u> </u>   |     |       | 85      | $\vdash \vdash$ | $\dashv$ | $\dashv$ | _ | <u> </u> | ļ          | <del> </del> | -  | Ι.,  |
| 36         | 1            | <u> </u>     | <u> </u> | <u> </u>   | _  |  | <u> </u> | <u> </u>     |  |     |       | 86      | $\vdash \vdash$ | _        | _        |   | <u> </u> | <u> </u>   | $\vdash$     | <u> </u>   | Н  |
| 37         | _            | <u> </u>     |          | <u> </u>   | <u> </u>   | L  | <u> </u> | <u> </u>     | <u> </u>   |     |       | 87      | $\vdash \vdash$ | _        | $\dashv$ | _ | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   |
| 38         | _            | <u> </u>     | <u> </u> | L  | <u> </u>   | L_   | <u> </u> | <u> </u>     |  |     |       | 88      | $\sqcup$        | _        |          |   | <u> </u> | <b>!</b> — | L            | $\vdash$   | Щ  |
| 39         | <u> </u>     | <u> </u>     | <u>L</u> | L  | <u> </u>   |  | <u>_</u> | <u> </u>     |  |     |       | 89      | $\sqcup$        | _        | _        |   | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>   | Щ  |
| 40         | _            | _            | <u>L</u> |  |  |  | <u> </u> | <u> </u>     | L  |     |       | 90      | Ш               |          |          |   | L_       | <u> </u>   | L_           | L_   | Ц.   |
| 41         | <u> </u>     | <u> </u>     | <u> </u> |  | L_   |  |          | 乚            |  | ]   |       | 91      |                 |          |          |   | <u> </u> | L          | L            | L  | $oxed{oxed}$                                     |
| 42         |              |              |          |  |  |  |          |              |  |     |       | 92      | Ш               |          |          |   |          | <u> </u>   | <u> </u>     |  |  |
| 43         | Ľ            | L            | L        |  |  |  |          |              |  |     |       | 93      | Ш               | ]        | _]       |   | _        |            |              | _  |  |
| 44         |              |              |          |  |  |  |          |              |  |     |       | 94      |                 |          |          |   |          |            |              |  |  |
| 45         | Г            |              |          |  |  |  |          |              |  | ]   | -7    | 95      |                 |          |          |   |          |            |              |  |  |
| 46         |              | Γ            | Γ        |  |  |  |          |              | Π  | 1   |       | 96      |                 |          |          |   |          |            | Γ            |  |  |
| 47         | 1            | Г            |          | <u> </u>   |  | l  | $\Box$   | Г            | $I^{-}$  | 1   |       | 97      | П               |          |          |   |          |            | П            | <u> </u>   | Г  |
| 48         | +-           | 1            | $\vdash$ | <del> </del>                                     | _  | <del> </del>                                     |          | T            | T  | 1   |       | 98      | Ħ               |          |          | _ | $\vdash$ | T          |              | <del>                                     </del> |  |
| 49         | †            | t            | t        | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$ | Η-           | $\vdash$   | 1   |       | 99      | $\vdash$        |          | _        |   | Ι-       |            | $\vdash$     |  | <u> </u>   |
| 50         | +-           | <del> </del> | +        | <del>                                     </del> | $\vdash$   | <del>                                     </del> |          | $\vdash$     | <del>                                     </del> | 1   |       | 100     | $\vdash$        | $\neg$   | -        | _ |          | $\vdash$   | $\vdash$     | $\vdash$   | <del>                                     </del> |
| 50         | _            | 1_           |          | L  | Ц.,  | L  | L        |              | Ц  | ا ز |       | 1,00    | Щ               |          |          |   | <u> </u> | <u> </u>   | Ц.           | <u> </u>   | L  |

| Cla       | Date   |                |              |              |  |              |          |              |  |  |
|-----------|--|----------------|--------------|--------------|--|--------------|----------|--------------|--|--|
|           |  |                |              |              |  |              |          |              |  |  |
| Final     | Original   |                |              |              |  |              |          |              |  |  |
|           | 101  |                | <u> </u>     |              |  |              |          |              |  |  |
|           | 101<br>102<br>103                                    |                |              |              |  |              |          |              |  |  |
|           | 103  |                |              |              |  |              |          |              |  |  |
|           | 104<br>105   |                |              |              |  |              |          |              |  |  |
|           | 105  |                |              |              |  |              |          |              |  |  |
|           | 1106   |                |              |              |  |              |          |              |  |  |
|           | 107<br>108<br>109                                    |                |              |              |  |              |          |              |  |  |
|           | 108  |                |              |              |  |              |          |              |  |  |
|           | 109  |                | <u> </u>     | L.           |  |              |          |              |  |  |
| <u> </u>  | 110  | _              |              |              |  |              |          |              |  |  |
|           | 111  | _              |              |              |  |              |          |              |  | _  |
|           | 112<br>113   | <u> </u>       | ļ            | <u> </u>     | <u> </u>   |              |          | _            |  | $\vdash \vdash$                                  |
| <u> </u>  | 113  | _              | -            | _            |  | $\vdash$     |          | _            |  | Н  |
| <u> </u>  | 114<br>115   | $\vdash$       | $\vdash$     | $\vdash$     | <u> </u>   | $\vdash$     | $\vdash$ |              |  | Н  |
|           | 116  | ├—             |              |              |  | _            |          |              |  | $\vdash$   |
|           | 117  | ┝              | -            | ┝            | _  | -            | $\vdash$ | _            | -  | -  |
|           | 117  | <del> </del>   | -            | ⊢            | $\vdash$   | H            | H        |              |  | Н  |
|           | 118<br>119<br>120                                    | <del> </del>   |              | $\vdash$     | ⊢  |              |          |              |  | $\vdash \vdash$                                  |
|           | 120  | $\vdash$       | -            | ┝            |  | -            | -        |              | -  | Н  |
| $\vdash$  | 121  | $\vdash$       |              |              |  | ┢╌           |          |              | $\vdash$   | H  |
| -         | 122  | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$   | H            | Н        |              | $\vdash$   | Н  |
|           | 123  |                | ┢            | ┰            |  | <b>-</b>     |          | -            | <u> </u>   |  |
|           | 124  |                |              |              |  | <u> </u>     |          |              |  | П  |
|           | 125  |                | T            |              |  |              |          |              |  |  |
|           | 126  |                | Г            | Г            |  |              |          |              | _  |  |
|           | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 |                |              | Г            |  | П            |          |              |  | П  |
|           | 128  |                |              |              |  |              |          |              |  |  |
|           | 129<br>130   |                |              |              |  |              |          |              |  |  |
|           | 130  |                |              |              |  |              |          |              |  |  |
|           | 131  |                | L            |              |  | _            |          | <u> </u>     |  | Ш  |
|           | 132<br>133   |                |              | L            | _  |              | _        | _            |  |  |
|           | 133  |                | <u> </u>     | L            |  |              |          | L            | _  |  |
|           | 134<br>135   | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u> | _            | <u> </u>   | Ш  |
|           | 135  | <u> </u>       | <u> </u>     |              | <del>                                     </del> | $\vdash$     | $\vdash$ | _            | <u> </u>   | Н  |
| <u> </u>  | 136  | <del> </del>   |              | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ |              | $\vdash$   | Н  |
| <u> </u>  | 137<br>138   | ├—             | <del> </del> | <del> </del> | <del> </del>                                     | <del> </del> | ├-       | $\vdash$     | <del> </del>                                     | -  |
|           | 138  | $\vdash$       |              | $\vdash$     | ├  | ├─           | ├        | -            | $\vdash$   | -  |
|           | 140  | <del> </del> — | ├            |              | <del> </del>                                     | -            | -        | -            | $\vdash$   |  |
|           | 141  | ├-             | $\vdash$     | -            | ├-   | $\vdash$     | $\vdash$ | <del> </del> |  | -  |
|           | 142  | $\vdash$       | <del> </del> | -            | -  | $\vdash$     | -        | $\vdash$     | <del>                                     </del> | -  |
|           | 143  | $\vdash$       | $\vdash$     | -            |  | $\vdash$     |          | $\vdash$     | 1  | $\vdash$   |
| <b></b> - | 144  | $\vdash$       |              | Н            | ┢  | 1            |          | $\vdash$     | H  | $\vdash$   |
| $\vdash$  | 145  | Ι-             |              | T            | T  | _            | t        | $\vdash$     | t  | $\vdash$   |
| <u> </u>  | 146  | $\vdash$       | 1            | $\vdash$     | T  | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$   | <del>                                     </del> |
|           | 147  | Г              | T            | 1            |  | <u> </u>     |          | ·            | t  |  |
| <b></b>   | 148  |                |              |              |  |              |          | Ι.           |  |  |
|           | 149  | Π              | Ī            | Π            |  | Г            | Ι        | Г            | Г  |  |
|           | 150  | Γ              |              |              |  |              |          |              | Ι-   | П  |
|           |  |                |              |              |  |              | -        |              |  |  |